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ABSTRACT

This guide was developed to provide a record of the instructional resources available to media centers for use in Grade 6 through 8. Included and annotated are listings of: (1) simulations and instructional games, (2) devices for individualized instruction, (3) guidance kits, (4) cassette tapes, (5) filmstrips, (6) Films (8mm and 16mm), (7) professional books and documents and (8) books for students. Announcements of publishers and suppliers supplement the text as does a subject index. (SN)

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A Service of the New Jersey Occupational Resource Center, Edison to New Jersey School Media Centers and Libraries

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Grades 7, 8, and 9 Learning Resources for Career Education

This Publication is Dedicated to The Honorable William T. Cahill: Governor of the State of New Jersey

WINTER 1973

Because of Governor William T. Cahill's interest in career orientation and vocational education, and because Governor Cahill's Career Development Project has seen fit to provide the funds for the publishing of this manuscript, we respectfully and gratefully dedicate this publication to his honor.

The future looks promising for career orientation programs in New Jersey schools. The plan approved by the State Board of Education projects — by 1977 — a growth of a state-level system for planning and implementing a widely useful school-based Career Education model. And even more important, local New Jersey schools are now finding the money to expand their Career Education programs without special federal or state funds.

STEPHEN POLIACIK
Assistant Commissioner of Education

VT021002

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Grades 7, 8, and 9 Learning Resources for Career Education

by Edwin York, Priscilla Walsh, Madhu Kapadia, Gordon Law Jr., and Leo Richards

Discoveries about one's self and one's world during the middle school years have an especially important role to play in the career development of today's students. And school media centers should be greatly involved in such individual career development.

Why all the urgency? Why should school media centers emphasize career orientation as a major area for purchasing this year? Three reasons seem to be emerging: (1) if the schools are becoming more humane centers of activity, the life-long career concerns of the students will be increasingly emphasized; (2) at present the majority of each year's high school graduates are unemployable and are therefore condemned to a continued dependency which is harmful to both the student and society; and (3) the people's representatives — the U.S. Congress and the President — have passed the "Education Amendments of 1972," which includes an amendment to E.S.E.A. Title II (Section 203 (a) 3) requiring that federal aid to school libraries include an emphasis on career preparation equal to the emphasis now given the traditional academic curriculum (P.L. 92-318, Title V, Section 509a).

Those completing ninth grade cannot be expected to have many job skills or anything more than very tentative career choices. However, the seventh, eighth, and ninth grades are important to career development because during these years the students expand their knowledge of themselves and their own skill potential and interests to the point where career exploration during the high school years will have a platform for in-depth experimentation and development.

ACKNOWLEDGMENTS

This publication is the result of the combined efforts of the whole staff of the N.J. Occupational Resource Center at Edison over a two month period in the fall of 1972. Readers may well want to know who was in charge of what.

Edwin York, Coordinator of the N.J. Occupational Resource Center, coordinated and edited the manuscript;

Priscilla Walsh, Assistant Coordinator, N.J. Occupational Resource Centers, was responsible for the "Books for Students" section;

Madhu Kapadia, Supervising Information Specialist, N.J. Occupational Resource Center at Edison, was responsible for the sections "Professional Books and Documents" and "Publishers and Suppliers;"

Gordon Law, Jr., Research Associate, N.J. Occupational Resource Center at Edison, had responsibility for such sections as "Simulations and Instructional Games," "Guidance Kits", and "16mm. Films."

Leo Richards, Coordinator, N.J. Career Education Media Evaluation Project at the Edison center, had responsibility for such sections as "Cassette Tapes", "Filmstrips", and "Super 8mm. Film Cartridges."

The manuscript also owes much to the following persons who carefully reviewed it and made suggestions for its improvement before its final draft form:

S. Stowell Symmes, Director of Curriculum, Joint Council on Economic Education, N.Y., N.Y.

Phillip Powell, Director, M. H. Russell Center for Economic Education, Arkadelphia, Arkansas

Randolph R. Scott, Assistant Director, Exploring Division, Boy Scouts of America, North Brunswick, N.J.

Harold Seltzer, Director, Bureau of Occupational Research Development

Dr. Margaret Blair, Director, Introduction to Vocations Program

John Williams, Supervisor, Introduction to Vocations Program

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Associate State Director of
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Most junior high school media centers have some resources concerning a few dozen occupations. But such provision of information just isn't enough. Career development is a complex process demanding both wide and deep resources. To assist a school or a district in choosing such resources is the main purpose of this publication.

Those developing curriculum for the nursery to adult Career Education programs throughout the nation, tell us that when a committee of teachers sits down to orient the curriculum to career development, these are the dimensions that get careful attention:

1. *Career awareness.* (students will gain knowledge about the range, nature and requirements of various careers)
2. *Self-awareness.* (students will gain knowledge about their own interests, abilities, aptitudes and potential)
3. *Responsible attitudes.* (students will demonstrate attitudes appropriate to exploring and developing their career potential)
4. *Decision-making.* (students will develop skill in making "next step" decisions concerning employment and/or education)
5. *Backgrounds of current careers.* (students will gain knowledge about economics, and the societal and technological aspects of careers in contemporary American society)
6. *Basic educational skills.* (students will acquire the basic communicative and computational skills necessary for entry level employment and/or continuing education)

You feel this is a major reconstruction of the curriculum? Exactly. It is. And isn't it about time? After all, the whole student body will need to be employed some day, even though 20% might make it through college. If you want some reliable data on the appalling need for such a movement in American education, send to us for a free special paper "Why Career Education: the Facts."

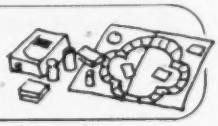
If you want to discuss New Jersey's Introduction to Vocations Program—a widely recognized and rapidly growing program for grades 7-10—phone Dr. Margaret Blair or Mr. John Williams at (609) 292-5623.

For the convenience of the reader, this listing is organized by different types of media. In listing these resources, the types of media probably least familiar will be listed first. Consequently, films and books will come last. The sections will be as follows:

1. Simulations and Instructional Games
2. Devices for Individualized Instruction
3. Guidance Kits
4. Cassette Tapes
5. Filmstrips
6. Super 8mm. Film Cartridges
7. 16 mm. Films
8. Professional Books and Documents
9. Books for Students.

Hard-to-find publishers' addresses are provided at the end of this publication. A subject index is also provided.

1. simulations and instructional games



A great number of instructional games, particularly economics and social studies games, are available for use with junior high school students. The following list, which is by no means exhaustive, contains games which are appropriate for the career orientation of junior high school students and are available at the N.J. Occupational Resource Center for examination or loan.

CONSUMER. (by Gerald Zaltman) This game simulates the economic life of everyday individuals. Eleven to thirty-four may play in two hours or so. The game is an ideal one for consumer education. [Available from Western Publishing Company, Inc., School and Library Department. ($30.00)]

DIRTY WATER. (by Judith Anderson, Helen Trilling, Roger Moody, and Richard Rosen) DIRTY WATER simulates the problems involved in water pollution control. Two to four may play in an hour or two. [Available from Urban Systems, Inc. ($10.00)]

ECONOMIC SYSTEM. (by James S. Coleman and T. Robert Harris) Illustrates the workings of our economy. Seven to thirteen may play in 2-4 hours. The game is one of the best instructional economics simulations available. [Available from Western Publishing Company, Inc. ($25.00)]

FLIP. (Family Life Income Patterns) FLIP is a family

budget game. It takes at least an hour for one to forty players. FLIP is somewhat more complex than CONSUMER, the best known consumer education game. [Available from Instructional Simulations Incorporated. ($34.00)]

GHETTO. (by Dove Toll) GHETTO illustrates the economic and social problems of inner city residents, and their difficulty in overcoming these problems. Seven to ten may play in 2-4 hours. The game is perhaps better used in suburban schools than in inner-city schools, where the nature of the depicted processes may be well understood already. [Available from Western Publishing Co., School and Library Department. ($20.00)]

LIFE CAREER. (by Serane S. Boocock) LIFE CAREER simulates the career development of individuals. Two to twenty may play in 1-6 hours. LIFE CAREER is of direct relevance to programs of Career Education and career guidance. [Available from Western Publishing Co., School and Library Department. ($35.00)]

SITTE. SITTE simulates the activity of interest groups in urban government. Fifteen to thirty-six may play in one to five 50 minute periods. [Available from SIMILE II. (25 student manuals for $35.00)]

SMOG. (by Judith Anderson, Helen Trolling, Roger Moody, and Richard Rosen) SMOG simulates the problems involved in air pollution abatement programs.

Two to four may play in 1 to 2½ hours. With DIRTY WATER, a good beginning for an introductory course in environmental education. [Available from Urban Systems, Inc. ($10.00)]

SUNSHINE. (by David Yount and Paul Dekock) SUNSHINE simulates a racial crisis in a typical American city. Twenty to thirty-five may play. The exercise requires 16 to 22 class periods. [Available from Interact. ($10.50)]

TRACTS. TRACTS is an urban land use game. Twelve to forty may play in two to four hours. [Available from Instructional Simulations Incorporated. ($39.00)]

2. devices for individualized instruction

Compulearn Career Education Program.

8½" x 11" Compulearn Console (simple desk computer), 322 program cards (112 for gr. k-6; 60 for gr. 6-7; 60 for gr. 8-9; 90 for gr. 10-12), and various guides. $65 for elementary; $65 for middle schools; $65 for gr. 10-12; Console alone, $25. Developed with U.S.O.E. funding, the Compulearn Program of Career Education is divided into three modules: the Awareness module (Grades K-6), the Guidance module (Grades 7-9), and the Establish module (Grades 10-12): (A) In the Awareness module, the student is taught to recognize the fact that everybody works, that all careers are important, and that all people need each other's services. (B) in the Guidance module, the student uses a decision-making routine to determine his career profile, and is then directed to careers having the same characteristics. He then defines his own ideas of success and of what he wants from his career. (C) The third module, the Establish phase, gives the student basic facts about such items as average yearly salary, employment outlook and length of training time required for over 200 careers; the student is then taught how to research and evaluate career information, and is finally given a set of guidelines to help him prepare for his future after high school graduation, be it a career, college, vocational school, or the armed services.

To use this device, a program card is selected and placed on the face of the 8½" x 11" box. The Question Probe is inserted into a hole corresponding to a question the persons choose to answer. The Answer Probe is inserted into the chosen answer outlet. If the answer chosen was correct, a light appears. A Select Button will provide the correct answer with a light.

Field testing in Pittsburgh and North Carolina showed the system to be of continuing value in both group-structured and independent learning settings.

3. guidance kits

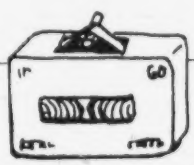
WIDENING OCCUPATIONAL ROLES KIT (WORK). WORK contains 400 Junior Occupational Briefs, 5 Junior Guidance Booklets, 35 Student Record Books, 5 color filmstrips, 1 Teacher's Guide, and 1 Index. The kit may be used with either groups or individuals. [Available from Science Research Associates, Inc. ($211.35)]

CAREER GAMES. (by E. N. Chapman) Educational Progress Corporation, P.O. Box 45663, Tulsa, Oklahoma 74145. [398 cards; score pads; filmstrip; cassette; guide; $78.50] A guidance tool for grades 8-13, designed as a classroom kit or individualized semi-programmed activity in a resource center. The individual is taken on a career search, in which he is confronted with unavoidable decisions. More similar to other guidance kits listed than to the simulations listed above.

CAREER DESK-TOP KIT (JUNIOR HIGH KIT) The JUNIOR HIGH KIT contains 900 job descriptions. An updating subscription service is available from the publisher, through which approximately 240 descriptions are provided per year. [Available from Careers, Inc. ($114.50)]

V.I.E.W. (Vital Information for Education and Work). Central Jersey Industry-Education Council, 71 Main St., Woodbridge, N.J. 07095. 99 keypunched cards with a microfilm aperture. $50, with updating of $25 per year. This deck of aperture cards provides key information on 99 different occupations important in the Middlesex and Somerset Counties area. Sorting can be by hand or by machine. Each aperture contains microforms of up to four 8½" X 11" pages. A pamphlet with the title V.I.E.W. is available from C.J.I.E.C.

4. cassette tapes



Five major sets of cassette tapes are now available: (a) Voices for Careers; (b) Motivation for Career Success; (c) Creating Your Future; (d) American Occupational Series; and (e) Career Development Laboratory.

A. VOICES FOR CAREERS

A brief description of a new kind of resource is in order – a resource that should be important for many aspects of career exploration for seventh, eighth, and ninth grade students: the Voices for Careers system. It is a way for New Jersey educators to secure free copies of any of 502 cassette tapes helpful to career exploration.

To work the Voices for Careers system, a New Jersey educator obtains a copy of the catalog from the N.J. Occupational Resource Center, picks out up to five different items and sends the request to the Center with an appropriate number of blank cassette tapes. Each item may be duplicated in as many as six copies. The cassettes are duplicated on special high speed machinery at the Edison center and sent to the requestor without charge. Remember that this is an "on demand" system to serve individual educators and not designed to build library collections. However, school media centers would do well to expedite the use of this unique system for their patrons' sake.

Some examples of cassette tapes available to New Jersey educators through the Voices for Careers system may help the reader to see the quality of this collection. Specific occupations given attention are as follows:

Actors and Actresses
Anthropologist
Architects
Astronauts
Atomic Scientist
Authors
Banker
Cartoonists
Corporation Executives
Geologist
Herpetologist
Industrial Designers
Lawyer
Manual Laborer
Medical Profession
Musician
Organized Labor Leaders
Ornithologist
Photographer
Political Leaders
Publisher
Singers
Sports Stars
Teachers

B. MOTIVATION FOR CAREER SUCCESS.

38 cassettes in a coordinated instructional system with manuals, schedules, and evaluative devices. Education Achievement Corporation, P.O. Box 7310 Waco, Texas 76710.

Presents concepts critical to career success for junior and senior high school students. These six instructional modules form the structure for the thirty lessons of this system: (A) Developing Commitment for Career Success; (B) Developing Habits for Career Success; (C) Developing a Life-Style for Intelligent Action; (D) Developing Leadership Ability for Career Success; and (E) Planning for Career Success; and (F) Education for Career Success.

C. CREATING YOUR FUTURE.

38 cassettes in a coordinated instructional system with manuals, schedules, and evaluative devices. Education Achievement Corporation, P.O. Box 7310, Waco, Texas 76710. Especially designed for the career orientation of underachieving youth and adults, these six instructional modules form the structure for the thirty lessons of this system: (A) Developing Awareness for Career Commitment; (B) Learning Habits to Build Your Career; (C) Developing a Life-Style for Career Successes; (D) Developing Leadership Skills for Career Opportunities; (E) Planning Your Future; and (F) Education for Your Future.

D. AMERICAN OCCUPATION SERIES.

99 cassette tapes, each 30 minutes. E.S.P. Corp., 2304 E. Johnson, Jonesboro, Arkansas 72401. $436.59 set; $4.90 per cassette. A series of 198 fifteen minute tapes on necessary training, obstacles, and rewards of 196 different occupations. A one hour tape, "Tomorrow's Jobs," provides an overview. Specify "cassette" in ordering.

E. CAREER DEVELOPMENT LABORATORY.

30 cassette tapes, each with two interviews; placement survey forms; guide: $228.70. [Educational Progress Corporation, P.O. Box 45663, Tulsa, Oklahoma 74145] Sixty interviews with successful working people; for grades 8 through 13. Sixty percent of the careers are professional; forty per cent are technical and non-professional. The survey form guides students to appropriate cassettes.

5. filmstrips

The following compilation of 35mm filmstrips is limited to items dated no older than 1968. The *National Information Center for Educational Media Index for 35mm Filmstrips*, together with various publishers' catalogues, provided the sources for the information contained in this list of filmstrips. Filmstrips are a widely accepted form of media, are relatively inexpensive but are troublesome to shelve.

A brief description of the content of each filmstrip is included below. Cost and length are given where available. The source of the publication is also added. These filmstrips are generally in color and with sound, except as otherwise indicated. All are owned by or have been ordered for the N.J. Occupational Resource Center at Edison.

Series will be listed before individual filmstrips.

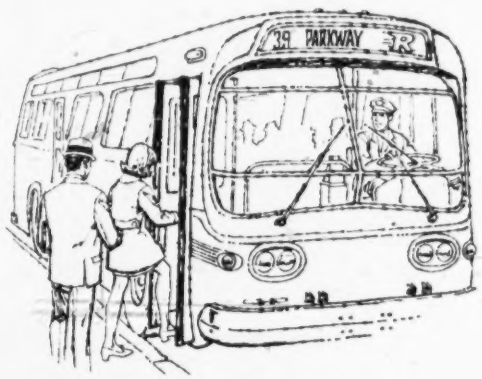
A. SERIES

CAREER OPPORTUNITIES. (by Denoyer-Geppert Audio Visuals) Color, Sound. Series of 4 F/S. Covers new career opportunities and cites new developments in technological, social and governmental fields.

Specific titles covered in the series are: "New Career Opportunities"; "Careers in Health"; "Civil Service Jobs"; and "Salaried Worker or Self Employed?" [Available from: John Bergenstock. – Set of 4 F/S $25.00]

FOUNDATIONS OF OCCUPATIONAL PLANNING. (by Walter Lifton) 36 Frames avg. per F/S. Color, Captions. Set of 5 F/S. Provides help for students to evaluate interest and individual characteristics with relation to the world of work. Covers the value of diversity of interest, values and attitudes associated with different jobs, grouping of jobs and relationship between success in school and in later life.

Specific titles in this series are: "Who Are You?"; "What Do You Like To Do?"; "What Is A Job?"; "What Are Job Families?" and "What Good Is School?" [Available from: S.V.E. – Set of 5 F/S $27.00; 1 F/S $6.00]



JOB ATTITUDES. 38 Frames avg. per F/S. Color, Sound. Series of 15 F/S. Aims at the development of positive job attitudes through an understanding of the operations and policies of the company. Emphasizes co-operation, teamwork and attitudes. Discusses role of the supervisor with respect to company goals and employees. The series is available in six sets each with a two or three-part filmstrip. Specific titles in this series are: "The Company and the Community" – Parts 1 & 2; "The Company and Profit" – Parts 1, 2 & 3; "Company Organization" – Parts 1 & 2; "The Role of the Supervisor" – Parts 1, 2 & 3; "The Importance of Attitudes" – Parts 1, 2 & 3; and "Developing Good Attitudes" – Parts 1 & 2. [Available from: Creative Filmstrips – 15 F/S, 15 Cassettes $185.00; 15 F/S $118.00; 1 F/S $8.75; 1 Cassette $5.00; Set 20 Workbooks $40.00]

JOB OPPORTUNITIES NOW. 58 Frames avg. per F/S. Color, Sound. Series of 6 F/S. Presents an introduction to the world of work. Provides information on job opportunities in various fields and stresses jobs which do not require a college degree. Emphasizes necessity of skills, proper work attitudes and education. Suitable for use in vocational guidance program.

Specific titles in the series are: "Requirements in the World of Jobs"; "Achieving Success in the World of Jobs"; "Job Opportunities in a Restaurant"; "Job Opportunities in a Hospital"; "Job Opportunities in a Department Store"; and "Job Opportunities in a Supermarket". [Available from: SVE. – Set of 6 F/S, 3 Records, 6 Teacher's Guides $49.50; Set of 6 F/S, 3 Cassettes, 6 Teacher's Guides $55.50; 1 F/S $7.00; 1 Record $4.00; 1 Cassette $6.00]

OCCUPATIONAL EDUCATION. Color, Sound. Series of 9 F/S. Deals with various unskilled and semi-skilled job areas in which retarded and slow learners can function as adults. Suitable for use with other courses in the curriculum. Specific titles in the series are: "The Job Interview"; "Stocker in A Supermarket"; "The Waitress"; "Fixing A Flat Tire"; "How to Use Your Checkbook"; "The Variety Store"; "The School Cafeteria Worker"; "The Nurses Aid"; and "The Gas Station Attendant". [Available from: Eye Gate – Set of 9 F/S, 5 Cassette tapes, Teacher's Manual $73.50; Set of 9 F/S, Teacher's Manual $48.50; 1 F/S $5.00; 1 Cassette $5.50]

PREPARING FOR WORK: I. (by Denoyer-Geppert Audio Visuals) Color, Sound. Series of 6 F/S. Covers meaning of work, work-life, occupational skills, voluntary work, and marriage and career. Specific titles in the series are: "The Meaning of Work"; "Your Life of Work"; Interests Pay Off"; "Skills That Pay Off"; "Marriage and Career"; and "Volunteer Work". [Available from: John Bergenstock. – Set of 6 F/S $37.50]

VOCATIONAL DECISIONS. 58 Frames avg. per F/S – 18 Minutes, Color, Sound. Set of 3 F/S. Outlines various vocational avenues available to students. Emphasizes the need to consider abilities, interests and training when making vocational decisions. Specific titles of the filmstrips in this series are: "An Introduction to Vocation"; "The World of Work"; and "Counseling in Vocational Decisions". [Available from: S.V.E. – Set of 3 F/S, 2 L.P's, 3 Teacher's Guides $31.00; Set of 3 F/S, 2 Cassettes, 3 Teacher's Guides $32.50]

THE WORLD OF WORK: VOCATIONAL OPPORTUNITIES. Color, Sound. A series of 14 F/S. Orients students to the world of work. Presents a wide range of career possibilities. Attempts to bridge the information gap between schools and the business community and shows the work in his day-to-day job activities. Suitable for use in vocational counseling and in adult retraining programs.

Specific filmstrips in this series are: "What is Your Future in the Changing World of Work"; "Receptionist"; "Automobile Mechanic"; "TV and Radio Repair"; "Tool and Die Maker"; "Electrician"; "Printer"; "Sheet Metal Worker"; "Automobile Sales"; "Representative"; "Cook"; "Data Purchasing Clerk"; "Sheet Metal Worker – Building Trades"; "Medical Assistant"; and "Real Estate Sales". [Available from: Eye Gate – Set of 14 F/S, 7 Cassettes, Teacher's Manual $130.00; Set of 14 F/S, 7 Records, Teacher's Manual $126.50; 1 F/S $7.00; 1 Cassette $5.50; 1 Record $5.00]

B. SINGLE FILMSTRIPS

ANIMALS WITH REASON. 20 Minutes, Color, Sound. Describes comparative medicine. Emphasizes its historical development and current importance. [Available from: National Society for Medical Research – Free Loan]

AVIATION – WHERE CAREER OPPORTUNITIES ARE BRIGHT. 29 Minutes, Silent. Depicts a wide variety of jobs in civil aviation. Emphasizes education and training required. [Available from: Federal Aviation Administration (FAA) Film Library, AC-44 4 – Free Loan]

CAREER SURPRISES. 78 Frames, Color, Sound. Presents employees at work in the property and liability

insurance business. [Available from: Insurance Information Institute – $8.50]

CAREERS FOR WOMEN IN ARMED FORCES. F/S with captions. Discusses professional and technical training opportunities for women entering the armed forces. [Available from: Visual Education Consultants – $8.25]

CAREERS IN ANIMAL INDUSTRY. 47 Frames, Color, Script/Shows need for trained workers in such jobs as dairy-herd testing, poultry breeding, livestock purchasing etc. [Available from: Vocational Education Productions. – $7.50]

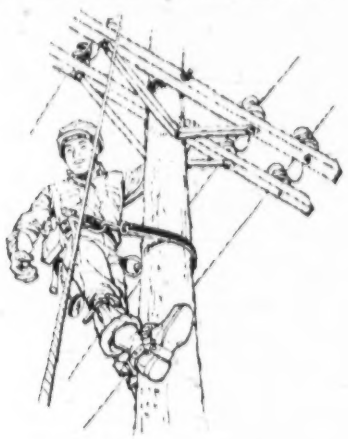
CAREERS IN CROPS. 48 Frames, Color, Script. Describes career opportunities in various aspects of agriculture. Includes occupations for fieldmen, processing plant workers and salesmen. [Available from: Vocational Education Productions. – $7.50]

CAREERS IN FARM MACHINERY SALES AND SERVICE. 50 Frames, Color, Script. Indicates importance of farm machinery service workers in agricultural production. Presents jobs in manufacturing, sales, and servicing of farm machines. Emphasizes the growing need for service workers. [Available from: Vocational Education Productions. – $7.50]

CAREERS IN FARM SERVICES. 52 Frames, Color, Script. Describes opportunities in field of farm services. Includes jobs in pesticide usage, artificial insemination, marketing and custom harvesting. [Available from: Vocational Education Productions – $7.50]

CAREERS IN FARM SUPPLIES. 47 Frames, Color, Script. Explains career opportunities in farm supplies. Includes farm-store salesmanship, feed – milk operation and co-op management. [Available from: Vocational Education Productions. – $7.50]

CAREERS IN FILMMAKING: PT. 1. 64 Frames, Sound, F/S with record. Presents an overview of the jobs in the film industry. Features people in the field. Indicates the preparation needed, and the advantages and disadvantages. Equipment and filmmaking procedures are outlined. [Available from: Educational Dimensions Corp. – $8.25]



CAREERS IN FILMMAKING: PT. 2. 67 Frames, Sound, F/S with record. Presents overview of jobs, preparation for careers in filmmaking, and advantages and disadvantages. [Available from: Educational Dimensions Corporation – $8.50]

CAREERS IN GOVERNMENT SERVICES. 48 Frames, Color, Script. Presents government workers as a part of the agricultural team. Indicates the need for workers at local, State and Federal levels in jobs as dairy inspectors, timber appraisers, pest control inspectors and weed abatement foremen. [Available from: Vocational Education Productions. – $7.50]

CAREERS IN ILLUSTRATION. 80 Frames, Sound. F/S with record. Discusses various aspects of a career as an illustrator and the type of school and training necessary. [Available from: Educational Dimensions Corporation – $8.75]

CAREERS IN LIBRARY SERVICE. 51 Frames, Color Captions. Explores avenues in library science for beginners. Depicts areas of specializion in library work. [Available from: National Film Board of Canada. – $7.75.]

CAREERS IN NATURAL RESOURCES MANAGEMENT. 58 Frames, Color, Script. Explains typical jobs in such areas as fishery technology, game management, and park maintenance. [Available from: Vocational Education Productions. – $7.50]

CAREERS IN NATURAL SCIENCE. 48 Frames, Color, Captions. Relates history and presents some current applications of natural science. Indicates fields of specialization and job opportunities. [Available from: National Film Board of Canada – $7.25]

CAREERS IN ORNAMENTAL HORTICULTURE. 50 Frames, Color, Script. Presents career opportunities in ornamental horticulture. Includes jobs in plant propagating, landscaping and ground maintenance. [Available from: Vocational Education Productions. – $7.50]

CAREERS IN PHOTOGRAPHY. 86 Frames, Color, Sound. F/S with record. Explains opportunities in photography and gives data on procedures for entering the field. [Available from: Educational Dimensions Corp. – $8.50]

CAREERS IN TELEVISION: PRODUCING ADVERTISING COMMERCIALS. 80 Frames, Sound, F/S with record. Presents demonstration of various stages in TV commercial manufacture. Includes discussion on careers available in T.V. field. [Available from: Educational Dimensions Corp. – $8.50]

CAREERS IN THE COMPUTER FIELD. 48 Frames, Color, Captions. Describes jobs in the computer field. Indicates the skills, education and training required. Cites both advantages and disadvantages. [Available from: Popular Science Publishing Co. – $7.50]

CAREERS IN THE FINE ARTS. 80 Frames, Sound. Explains arrangements for a first exhibition. Outlines the problems and opportunities in a career as painter and sculptor. [Available from: Educational Dimensions Corp. – $8.75]

CAREERS IN THE WORLD OF COMPUTERS: PT. 1. 80 Frames, Sound F/S with record. Explains the functions of the computer. Describes different types. Demonstrates their use in industry. [Available from: Educational Dimensions Corp. – $8.75]

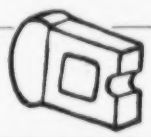
CAREERS IN THE WORLD OF COMPUTERS: PT. 2. 80 Frames, Sound, F/S with record. Presents careers in the field of computers, suitable for high school students. [Available from: Educational Dimensions Corp. – $8.75]

CAREERS IN THE WORLD OF COMPUTERS: PT. 3. 80 Frames, Sound, F/S with record. Outlines careers in the field of computers, suitable for college graduates. [Available from: Educational Dimensions Corp. – $8.75]

CAREERS IN THE WORLD OF TOMORROW. 52 Frames, Captions. Describes various career choices and discusses the importance of preparation. [Available from: Audio-Visual Associates – $7.50]

THE WORLD OF WORK: VOCATIONAL OPPORTUNITIES. Color, Sound. A series of 14 F/S. Orients students to the world of work. Presents a wide range of career possibilities. [Available from: Eye Gate – Set of 14 F/S, 7 Cassettes, Teacher's Manual $130.00; Set of 14 F/S, 7 Records, Teacher's Manual $126.50; 1 F/S $7.00; 1 Cassette $5.50; 1 Record $5.00]

6. super 8mm. film cartridges



A check of the NICEM (National Information Center for Educational Media) *Index to 8MM Motion Cartridges*, both the 1969 and 1971 editions, revealed two extensive series of "Super 8's" important for career orientation. The more extensive series of the two is by Encyclopedia Britannica Educational Corporation, is entitled "Job Opportunities," and includes fifty silent color film loops. The other series is by Doubleday Multimedia, is entitled "Careers in the Seventies" and involves 13 sound color film loops.

A. JOB OPPORTUNITIES.

This series of fifty silent color 8 mm. film loops provides a picture of the nature of the work in each of fifty occupations, ranging from manual occupations to skilled trades and technical occupations. Teacher's guides accompany each loop. Although recent, there is no date of production. [Available from Encyclopedia Britannica Educational Corp. – $22.00 each item] The titles follow:

Forestry Aides
Dental Assistants
Dental Hygienists
Dental Lab Technicians
Medical Laboratory Technologists
Licensed Practical Nurses
Registered Professional Nurses
Photographers
Surveyors
Electricians
Glaziers
Operating Engineers
Painters and Paperhangers
Plumbers and Pipefitters
Sheet Metal Workers
Over-the-Road Truckdrivers
Local Truckdrivers
Routemen
Salesmen and Saleswomen in Retail Stores
Firefighters
Policemen and Policewomen
Cooks and Chefs
Waiters and Waitresses
Cosmetologists
Bricklayers
Carpenters
Cement Masons
Truck Mechanics and Bus Mechanics
Vending Machine Mechanics
Dispensing Opticians and Optical Laboratory Mechanics
Gasoline Service Station Attendants
Welder-Oxygen and Arc Cutters
Assembly Occupations-Electronics
Machining Occupations-Electronics
Mail Carriers
Postal Clerks
Local Transit Bus Drivers
All-Round Machinists
Air-Conditioning and Refrigeration Mechanics
Appliance Servicemen
Automotive Body Repairmen
Automobile Mechanics
Television and Radio Service Technicians
Stewardesses
Airplane Mechanics
Transmission and Distribution Occupations
Telephone Craftsmen
Linemen and Cable Splicers
Telephone and PBX Installers and Repairmen

B. CAREERS IN THE SEVENTIES.

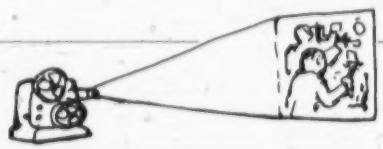
This series of thirteen sound color film loops introduces occupations in twelve fields and offers an additional loop on making a career choice. They vary in length from 9 minutes to nearly 16 minutes.

The objectives of the series are: (1) To help move students along a vocational guidance continuum toward confidence in a specific preference; (2) To positively affect student's attitudes toward work; (3) To stimulate student's interest in learning more about occupational fields; (4) To expose students to a broad range of occupations within the major career fields and to introduce them to some occupations not known to them before; (5) To help students see relationships between their abilities and interests and their occupational choices; (6) To assist students in making decisions about career choices; and, (7) To enhance schools' vocational guidance programs.

Recent field testing of these materials (in 16mm. format) with 3,051 9th and 11th grade students from four high schools in Orange County, California revealed that (1) the above objectives were met (52% for objective #1, and over 88% for the rest); (2) the material was most effective when used as a part of a vocational guidance program; and (3) the material was also effective when followed by student-led discussions. (*The Orange County, California Vocational Guidance Research Study: An Evaluation of Career Guidance Films*, no date.) All were produced in 1970. [Available from Doubleday Multimedia – $98.50 each, except for "Making A Choice" which costs $188.50] The titles follow:

"Careers: Making A Choice"
"Careers: Agri-business"
"Careers: Clerical"
"Careers: Communications"
"Careers: Construction"
"Careers: Education"
"Careers: General Services"
"Careers: Government Services"
"Careers: Health Services"
"Careers: Leisure Industries"
"Careers: Mechanical"
"Careers: Sales"
"Careers: Technicians"

7. 16mm. films



All of the 16mm. films listed in this section are dated since 1968, are indexed by NICEM (National Information Center for Educational Media) and have been reviewed or described in publications other than those of the producers or distributors. It is a token listing. An exhaustive list would certainly involve several thousand films. Here is an example of the extensiveness of these films: in the *NICEM Index to 16MM Films*, 272 films are listed under just the category "Guidance, Vocational."

Each entry includes the film's title, technical characteristics, distributor, year of production, and a concise statement of content. Also, a citation to a review or description is provided.

School media centers should make their own contacts for the rental of 16mm. films. Only the film *Career Education* is available from the N.J. Occupational Resource Center.

"U.O.I." is an abbreviation used to report availability of a film from the Visual Aids Service of the University of Illinois, Division of University Extension, 1325 South Oak Street, Champaign, Illinois 61820. Regulations on renting films from this source are found in any issue of the journal *The Lens and Speaker*.

The films are presented under the following topics: (a) the employment marketplace; (b) specific occupations; (c) the job; and (d) an overview of the concept of Career Education for educators and parents.

A. THE EMPLOYMENT MARKETPLACE

JOBS FOR WOMEN: WHERE ARE YOU GOING, VIRGINIA? (McGraw-Hill) 1969; 12 Min., Sound, Color. Describes the widening of career options for women. For further information, see *Lens and Speaker*, V. 9 N. 1 [Available from: U.O.I. – $5.25]

JOBS IN THE WORLD OF WORK: A GOOD PLACE TO BE. (McGraw-Hill) 1969; 12 Min., Sound, Color. Stresses the importance of preparation for employment. For further information, see *Landers Film Reviews*, V. 15, N. 4.

B. SPECIFIC OCCUPATIONS

ARCHITECTURAL CAREERS. (Halewyn Films, Ltd.) 1969; 14 Min., Sound, Color. The diversity of the activities of three different architectural firms is exposed. For further information, see *Lens and Speaker*, V. 9, N. 1. [Available from: U.O.I. – $6.30]

BOOKKEEPING: OCCUPATIONS AND OPPORTUNITIES. (Bailey-Film Associates) 1968; 15 Min., Sound, Color. Illustrates the importance of accurate record-keeping in a variety of industries. For further information, see *Lens and Speaker*, V. 9, N. 1 [Available from U.O.I. – $6.10]

THE BUSINESS OFFICE: MAKING THINGS HAPPEN. (Journal Films, Inc.) 1969; 10 Min., Sound, Color. Shows the range of activities involved in office work. For further information, see *Lens and Speaker*, V. 9, N. 1 [Available from U.O.I. – $5.25.]

CAREERS IN BROADCAST NEWS. (National Television News, Inc.) 1968; 11 Min., Sound, Color. Describes the production of a television news program. For further information see *Lens and Speaker*, V. 9, N. 1. [Available from: U.O.I. – $4.65]

MODELLING CAREERS. (Halewyn Films, Ltd.) 1969; 15 Min., Sound, Color. Stresses the importance of modelling training for both models and non-models. For further information see *Lens and Speaker*, V. 9, N. 1. [Available from: U.O.I. – $6.70]

OCCUPATIONS AND OPPORTUNITIES – DRAFTING. (Bailey-Film Associates) 1968; 13 Min., Sound, Color. Discusses the importance of drafting to modern technology and civilization. For further information, see *Lens and Speaker*, V.9, N.1. [Available from: U.O.I. – $5.70]

TO BE A PERFORMER. (Churchill Films) 1970; 25 Min., Sound, Color. A young cellist discusses his work. For further information, see *Lens and Speaker*, V.9, N.1. [Available from: U.O.I. – $8.90]

WERC FILMS (WHY NOT EXPLORE REWARDING CAREERS?) (American Personnel and Guidance Association). 1972. A series of twelve color sound films providing essential information about careers not requiring a four year college degree. Tested successfully as a package with upper elementary, middle, junior and senior high school students and with dropouts. They are each about 25 to 30 minutes long. Recommended by Dr. Sidney C. High, Jr., Chief, Exemplary Programs and Services Branch, Division of Vocational and Technical Education, U.S. Office of Education. The titles in the series are as follows:

"Work, What's It all About?" (introduces the series)
"Careers in Allied Health Services"
"Careers in the Building Trades"
"Careers in Business and Office Occupations"
"Careers in Communications"
"Careers in Industry"
"Careers in Machine Trades"
"Careers in Personal Services"
"Careers in Sales – The Joys of Selling"
"Careers in Skilled Services"
"Careers in Transportation"
"How Do You Get There"

[Available from A.P.G.A.: $225 each (purchase), $20 each per day (rental).]

C. THE JOB

JOBS AND ADVANCEMENT: ON THE MOVE. (McGraw-Hill) 1969; 14 Min., Sound, Color. A practical lesson in occupational mobility. For further information, see *Lens and Speaker*, V.9, N.1. [Available from: U.O.I. – $6.40]

JOBS AND INTERVIEWS: GETTING STARTED. (McGraw-Hill) 1969; 15 Min., Sound, Color. Provides advice for job interviews. For further information, see *Lens and Speaker*, V.9, N.1. [Available from: U.O.I. – $6.90]

JOBS AND THEIR ENVIRONMENT: ON THE JOB. (McGraw-Hill) 1969; 15 Min., Sound, Color. Shows a girl being hired, trained, and working as a clerk. For further information, see *Lens and Speaker*, V.9, N.1. [Available from: U.O.I. – $6.90]

D. AN OVERVIEW OF THE CONCEPT OF CAREER EDUCATION FOR EDUCATORS AND PARENTS.

CAREER EDUCATION (U.S.O.E.) 1972, 27 Min., Sound, Color. Revised edition; original edition was withdrawn. Five major directions for Career Education are identified and illustrated: (1) the whole community, including the home, must be involved; (2) every teacher in every subject area must contribute to and greatly benefit from the Career Education approach; (3) guidance programs must be expanded to include career development for all; (4) business and labor must be partners with the schools in providing work experience programs; and (5) specific skill training is necessary for job entry, skill upgrading or job re-entry. A major value of the film is that educators come to see Career Education not as "cast in bronze" or as a finished blueprint but as something that must be invented locally if it is to be effective. Reviewed in *Career Education Progress*, Vol. 1, No. 2 (Spring 1972). The revised edition, when released, will be available for loan without charge from the N.J. Occupational Resource Center, Edison. If you wish to purchase a copy of the revised edition: $92.50 from Sales Branch, National Audio-Visual Center, Washington, D.C. 20409.

8. professional books and documents

Teachers and administrators are an important target for the services of junior high school media centers. Consequently, the resources uniquely meeting their needs are a consideration which should not receive an "optional" or "next year" treatment.

Carefully planned development of resources for professional use is especially important because of both the continuing need for the growth of professionals and also the substantial expense of some of the suggested resources.

The subsections below will consider: free ERIC documents in microfiche form; career information; education in the U.S.; multi-media information; and printed instructional materials. All items listed are available for examination at the N.J. Occupational Resource Center at Edison, or have been ordered.

A. FREE E.R.I.C. DOCUMENTS

New Jersey educators now have the advantage of having access to free copies of nearly every E.R.I.C. (Educational Resources Information Center) document in microfiche form. This means that every school media center utilizing this service has added to its resources for its professional educators a collection of about 85,000 documents. E.R.I.C. covers the entire range of education, from early childhood education through university levels. This nation-wide information system has been in operation since November of 1966. Every month nearly one thousand current reports are added to E.R.I.C.

"The New Jersey Career Education Research Utilization System" is the name given to a unique E.R.I.C. availability service which began in June 1971 and distributed 17,000 documents to New Jersey educators during its first year of operation. A local school media center or individual educator phones or writes the Resource Center at Edison with "ED" document numbers and the staff of the Resource Center reproduces the documents and mails them normally within 24 hours directly to the requestor. At this time, no other public agency is performing this function in New Jersey.

Just to get started, school media centers could (1) rely on listings of E.R.I.C. documents found in various publications such as *Feedback* or *Career Education Progress*, which are both quarterlies issued by the N.J. Occupational Resource Centers; and (2) rely on borrowing a portable microfiche reader for short periods from where such readers are stationed in every county in New Jersey.

In order to fully exploit this system, school media centers need E.R.I.C. indexes (less than $100.00), some type of portable microfiche readers (about $100.00) and this phone number and address: 201-985-7769; N.J. Occupational Resource Center, Bldg. 871, R.M.C., Plainfield Avenue, Edison, N.J. 08817.

Some useful E.R.I.C. indexes are listed here with ordering information:

1. *Research in Education*. A monthly abstracting and indexing journal announcing recently completed research or research-related reports and other documents of educational significance. Reading only the abstracts in one's subject area is itself an education. Subject, author, and institution indexes. (Annual subscription: $21.00, with annual index, $28.00. Available from Superintendent of Documents, Government Printing Office, Washington, D.C. 20402)

2. *E.R.I.C. Educational Documents Index 1966-69*. $34.50.

3. *E.R.I.C. Educational Documents Index 1970-71*. $25.00. Both of the above cumulated indexes of R.I.E. are available from C.C.M. Information Corp., 866 Third Avenue, New York, N.Y. 10022.

4. *Abstracts of Instructional Materials in Vocational and Technical Education*. A quarterly abstracting and indexing journal specializing in curriculum guides and other valuable instructional materials designed for use in the classroom.

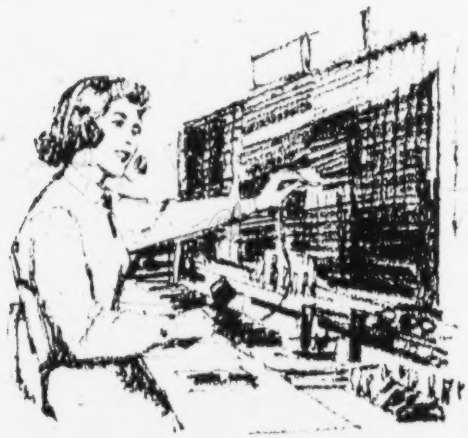
5. *Abstracts of Research and Related Materials in Vocational and Technical Education*. A quarterly journal incorporating abstracts of research and other related documents. (Annual subscription for each of these two is $11.00. Available from: The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210).

6. *Career Education, an ERIC Bibliography*. CCM, 1972. (distributed by Macmillan, Library Services) $9.95. Includes all ERIC citations and abstracts concerning the relation of education to work and increasing the career options of every student.

B. CAREER INFORMATION

AUTOMATION, MANPOWER, AND EDUCATION, Jerry M. Rosenberg. New York: Random House, 1966. Paperbound, SED 5, 179 pp., $1.95. Educational

implications of automation as a form of technological change, and the manpower challenge it creates. Surveys programs designed to meet the manpower revolution, and suggests education's responsibilities in preparing students and others for changing job markets.



COUNSELOR'S INFORMATION SERVICE. B'nai B'rith Vocational Service. Quarterly. $7.00 per year. An annotated bibliography of current literature on occupations, and educational and vocational guidance. Each issue describes nearly 250 publications. Its listing of guidance and educational periodicals with complete ordering information is especially helpful.

DICTIONARY OF OCCUPATIONAL TITLES. 3rd edition. Vol. I. Definitions of titles. G.P.O., 1965. 809 pages. $5.00. The DOT has become a standard source of occupational information in the broad area of manpower and related fields. Volume one lists alphabetically by job title the definitions of 21,741 jobs. This revised edition contains 5,432 new job titles.

The definitions provide the following information: functions performed by the worker; significant aptitudes, interests, and temperaments required by the job; and, critical physical demands and working conditions.

Volume II. Occupational Classification and Industry Index. 1965. 665 pages. $4.25. Volume II complements Volume I by presenting the occupational classification structure consisting of two arrangements of jobs: (1) occupational group arrangement and (2) worker traits arrangement.

Supplement I: Selected Characteristics of Occupations. 1966. 280 pages. $2.75. Lists individual physical demands, working conditions, and training time data for each job defined in the *Dictionary*.

Supplement II. Selected Characteristics of Occupations by Worker Traits and Physical Strength. 1968. 156 pages. $1.25. Rearranges the data of Supplement I by grouping together jobs according to the worker traits.

DICTIONARY OF PERSONNEL AND GUIDANCE TERMS. Hopke, William E., ed. Chicago, J. G. Ferguson, 1968. 464 pages. $10.95. A valuable dictionary of more than 3,000 terms in the field of counseling and guidance. It also includes terms from related areas of sociology, psychology, testing, etc. as are relevant and pertinent to the field of counseling and guidance. It is actually a compilation of definitions from various sources. A large number of entries have two or more definitions, reflecting different meanings assigned by different persons or changes in the meaning of the terms.

EDUCATORS GUIDE TO FREE GUIDANCE MATERIALS. 10th ed. Randolph, Wisconsin, Educators Progress Service, 1971. 252 pages. $8.75. Published annually. This tenth annual edition lists, classifies, and provides complete information on titles, sources and contents of 653 films, 43 filmstrips and 15 sets of slides, 50 tapes, 5 scripts, 2 transcriptions, 1 videotape and 262 books, pamphlets, posters, etc.—a total of 1,031 resource items available free of cost (no rental or service charges).

Most useful section is the source and availability index which provides names and addresses of the organizations from which materials can be obtained with special directions when required.

ENCYCLOPEDIA OF CAREERS AND VOCATIONAL GUIDANCE. Hopke, William E., ed. Vol. I: Planning your career. Vol. II: Careers and Occupations. 2nd edition. Chicago, J. G. Ferguson Pub. Co., 1972. 1500 pages. $26.95. This encyclopedia is one of the most valuable sources of career and occupational guidance information. Volume I has comprehensive introductory articles describing every major career field. Volume II has specific facts about over 650 occupations, describing in detail for each occupation: entry requirements, necessary training and education, working conditions, advancement opportunities, employment outlook, earnings, etc.

MAN, EDUCATION, AND MANPOWER. Grant Venn. Washington: American Association of School Administrators, 1970. 281 pp., $6.00. Describes the changing role of education in manpower development to meet the needs of people in a changing technological society.

MANPOWER. (Monthly magazine), U.S. Department of Labor, Manpower Administration, Washington, D.C. About 34 pp. per issue; annual subscription of 12 issues, $7.50. Covers broad spectrum of programs and developments in job training and employment, including efforts to aid the disadvantaged, and improve vocational education and research.

MANPOWER REPORT OF THE PRESIDENT, 1972. U.S. President and U.S. Department of Labor. Washington: U.S. Government Printing Office, March, 1972. Paperbound, 284 pp., $2.25. Comprehensive and authoritative source of information, statistical data, and analysis concerning manpower trends and federal government policies dealing with manpower problems. Published annually since 1963 under provisions of the Manpower Development and Training Act of 1962.

NVGA BIBLIOGRAPHY OF CURRENT CAREER INFORMATION, National Vocational Guidance Association, 1969. 129 pages. $2.00. This compilation lists more than 1,300 publications, with the levels of recommendation, evaluated from 1966-1968 in the *Vocational Guidance Quarterly*, which systematically reviews and grades the current career literature.

1969 HANDBOOK ON WOMEN WORKERS, U.S. Department of Labor, Wage and Labor Standards Administration, Women's Bureau. Bulletin No. 294. Washington: U.S. Government Printing Office, 1969. Paperbound, 384 pp., $1.50. Reference book covering such items as the participation and characteristics of women in the labor force, the patterns of their employment, occupations, income and earnings, education and training.

OCCUPATIONAL LITERATURE: AN ANNOTATED BIBLIOGRAPHY. Forrester, Gertrude. New York, H. W. Wilson, 1971 edition. 519 pages. $15.00. The 1971 edition of this comprehensive bibliography annotates nearly 6,000 selected references to available occupational literature. Only 1500 are books but 4,500 are pamphlets, otherwise difficult to locate. Approximately 1,000 publications are available free. Publications are classified under about 500 occupational titles arranged alphabetically and with DOT numbers. Titles are annotated with complete bibliographic information and some of them are starred or double starred for recommendation. It is an indispensable work of great value for building a collection of career literature.

OCCUPATIONAL OUTLOOK HANDBOOK 1972-73 EDITION. Bureau of Labor Statistics, GPO, 1972. 879 pages. $6.25. This *Handbook* is the most comprehensive, most authentic and most valuable source for occupational and career information. The current (eleventh) edition describes 800 occupations and 30 major industries. For each occupation, it explains: the nature of that work; places of employment; training and other qualifications required; advancement opportunities; employment outlook; and, earnings and working conditions. It also identifies sources of additional information.

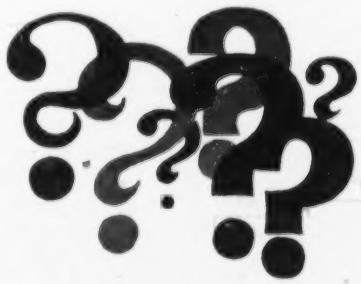
The introductory chapter, "Tomorrow's Jobs", gives a graphic overview of where people work today, what will be the employment growth through the 1970's and the interrelationship of education, training and job opportunity.

The *Handbook* is designed for use by students, parents, teachers and counselors. Counselors looking for career information should always first turn to this outstanding work. The *Handbook* is revised and reissued every two years. In between editions, one is kept up to date by the *Occupational Outlook Quarterly*, which reports the findings of new Occupational Outlook research.

A total of 141 reprints on different occupations is available separately for 10c-20c. Also available for $10.00 is a set of 40 color slides, *Jobs for the 1970's*, describing the occupational composition of today's work force and the changes anticipated during the 1970's.

POVERTY AMID PLENTY (The American Paradox), The Report of the President's Commission on Income Maintenance Programs, November, 1969. Washington: U.S. Government Printing Office, 1969. Paperbound, 155 pp., $1.75. Report of the "Heineman Commission" on problems of poverty and income in the U.S., with proposed remedies. Includes a review of concepts, statistics, and policy issues relating to poverty and social welfare.

A STARTER FILE OF FREE OCCUPATIONAL LITERATURE. Eisen, Irving and Goodman, L. H. B'nai B'rith Vocational Service, 1970. 29 pages. $1.25. This is a list of carefully selected materials which can be ordered to organize a cost-free occupational file. Selection is based on the career interests and needs of young counselees. For each of the 103 careers, the DOT code number, pamphlet title, year of publication, and name and address of publishing organization are included.



C. EDUCATION IN THE U.S.

CAREER EDUCATION: THE NEW FRONTIER. Worthington, Ohio, Charles A. Jones Publishing Co., 1972. 128 p. $5.95. This book by Ressler was designed to assist teachers and administrators in initiating Career Education programs in elementary and secondary schools.

DIGEST OF EDUCATIONAL STATISTICS. Washington, D.C. GPO, 1970. 140 pages. $1.25. Published annually. This annual is a compilation of statistics, presented entirely in tables and charts. The data has been gathered from governmental and private sources, and covers the whole field of American education from kindergarten through graduate school. The publication contains information on a variety of subjects within the field of educational statistics, including the numbers of schools and colleges, enrollments, teachers, graduates, educational attainment, finances, federal funds for education, libraries, international education, and research and development.

EDUCATION DIRECTORY. Washington, D.C. G.P.O. Published annually in four parts. Part I: State Governments, 1969-70. 1969. 163 pages $1.00. Part II: Public School Systems, 1970-71. 1971. 298 pages. $2.25. Part III: Higher Education, 1970-71. 1971. 515 pages. $3.75. Part IV: Education Associations, 1969-70. 1970. 109 pages. $1.25. A valuable reference work for names, addresses, facts and figures on various aspects of education.

EDUCATION INDEX. Monthly (except July and August). New York, H. W. Wilson. $25.00 per year. This basic and fundamental index to periodical literature is an indispensable reference work in education. Currently it indexes about 240 American and a few British titles. Although primarily a periodical index, it also includes some proceedings, year-books, bulletins, monographs and material printed by the U.S. Government. For each citation, it gives author, title, volume, paging, and date of the periodical, with an indication of illustrations, portraits, and bibliographies when these are found in the articles.

EDUCATION U.S.A. SPECIAL REPORTS. Washington, D.C., National School Public Relations Association. $36.00 per year for 10 Special Reports. Each Special Report probes in depth a single area of education, brings you up to date on current developments, reports on successful programs in operation in school districts, contains case studies and profiles of effective projects and tells you how to locate additional helpful information. Some of the reports are: year-round schools, vocational education, differentiated staffing, etc. Each individual report is available for $4.00.

ENCYCLOPEDIA OF EDUCATIONAL RESEARCH. 4th. ed. Macmillan, 1969. 1522 pages. $31.00. This encyclopedia provides "a critical and evaluative synthesis of the literature of educational research." The scholarly articles typically include a critical summary and evaluation of research on the topic to date and suggest needed research in the area. The long lists of selected references to research studies and educational literature in general is the most valuable feature of this work. The encyclopedia is updated by *the Review of Educational Research.*

STANDARD EDUCATIONAL ALMANAC 1971. Los Angeles, Academic Media, 1971. 509 pages. $35.00. Published annually. This is a comprehensive, up to date guide to educational facts and statistics useful as a ready-reference source of educational information for teachers, librarians, administrators and the general public. The entire volume is conveniently divided into six parts: education (general); elementary and secondary education; higher education; education and the federal government; related statistics of education; and directories of education. The index provides quick access to specific topics such as adult education, vocational education, legislation, busing, etc.

D. MULTI-MEDIA INFORMATION

THE AUDIO-VISUAL EQUIPMENT DIRECTORY 1972-73. 18th edition. Herickes, Sally, ed. National Audio-Visual Association, 1972. 464 pages. $9.25. This 1972-73 directory contains illustrations, model numbers, specifications and prices of more than 1,500 current items of audio-visual equipment of all types.

AUDIOVISUAL MARKET PLACE, 1971: A MULTIMEDIA GUIDE. Bowker, 1971. 234 pages. $15.00. Published annually. An annual directory of both hardware and software producers and distributors. Entries are arranged alphabetically by firm name and indicate addresses, phone numbers, names of key personnel, types of equipment or material offered, and availability of printed material supplied with the product.

CATALOG OF EDUCATIONAL FILMS, 1969-72. Visual Aids Service, University of Illinois, 1969. 599 pages. $3.00. The Visual Aids Service at the University of Illinois has one of the largest and finest collections of 16mm educational films available on a rental basis. This catalog annotates more than 10,000 titles. The coverage is broad and extensive. In addition to the description of the film's content, each entry gives the name of the producing organization and/or national distributor of the film, running time, black and white, or color, production date, grade level and rental rate. Film descriptions are listed alphabetically by title. There is a fairly detailed subject index.

EDUCATIONAL PRODUCT REPORT. Monthly, published nine times a year, October through June. Educational Products Information and Exchange Institute. $35.00 per year. EPIE provides information and counsel based on impartial, independent studies of availability, use and effectiveness of educational materials, equipment, and systems. Some of the reports on instructional equipment are: Day Study Carrels, 8mm Silent and Sound Projectors, Helical Scan Video Tape Recorders, Dial Access and Alternative Systems, 16mm Projectors, etc. *Educational Product Report* is indeed unique and indispensable. Every month the *Report* contains information that can save a school many times its yearly $35.00 membership fee.

GUIDE TO SIMULATION GAMES FOR EDUCATION AND TRAINING. Zuckerman, David W. and Horn, Robert E., eds. Information Resources, Lexington, Mass. 1973. 501 pages. $15.00 This is an up-to-date, carefully edited reference source giving complete information on over 400 simulation games. Descriptions of these instructional games are arranged by subjects such as business, economics, ecology, reading, mathematics, urban affairs, etc. This *Guide* should lead one to discover some really interesting games suitable for a wide variety of instructional settings. Be sure to get the second edition.

INDEX TO 8MM MOTION CARTRIDGES. 3rd. edition. New York, Bowker, 1972. $34.50. Lists and describes over 18,000 educational 8mm motion cartridges, with the

following information: annotations; running time; series listing; audience level; year of release; producer/distributor codes; color or black and white; whether film is silent, or has optical or magnetic sound track; and L.C. card number.

INDEX TO VOCATIONAL AND TECHNICAL EDUCATION. 1st ed. New York, Bowker, 1972. $22.50. The National Information Center for Educational Media is the world's largest data bank for audiovisual materials. NICEM has published a number of indexes.

This multimedia index is a valuable source to over 15,000 titles in seven media areas dealing with all aspects and all levels of vocational education. For each entry, arranged alphabetically by title, it gives the following information: descriptive annotations; series listings; physical description of media, such as type, color, speed, etc.; audience level; producer/distributor codes; and year of release.

Only three more individual indexes are annotated here; some other NICEM indexes are to 16mm films, to filmstrips, and to audio tapes and records.

NEW EDUCATIONAL MATERIALS, 1970. Markham, Lois, comp. New York, Citation Press, 1970. 239 pages. $3.75. Published annually. This edition evaluates more than 500 items including books, films, recordings, multi-media kits, filmstrips, transparencies, film loops, teaching-learning games and professional guides. Entries are arranged by title and provide author, publisher, year, price, pages and suggested grade level and rating. With this 1970 annual, the *New Educational Materials* series brings together over 2,200 evaluations. Every school library should have the complete series.

INDEX TO EDUCATIONAL OVERHEAD TRANSPARENCIES. 3rd edition. New York, Bowker, 1972. $49.50. Lists and describes over 35,000 transparencies with the following information: descriptive annotation, series listing, physical size, type (prepared, operable, polarized), number of overlays, color, audience level, producer/distributor codes, and year of release.

INDEX TO EDUCATIONAL VIDEO TAPES. 2nd edition. New York, Bowker, 1972. $16.50. Lists and describes the educational content of over 9,000 tapes. The alphabetical title section, in addition to providing annotation for each title, contains the following information: length in minutes, series listings, indication of broadcast quality, tape size availability (1/2", 3/4", 1" and 2"), release date in the U.S. and producer/distributor codes. Most video tapes are available from distributors in either standard quadruplex or helical scan tape configurations.

E. PRINTED INSTRUCTIONAL MATERIALS

Excellent resources for career orientation are available for teachers at this age level.

1. Introduction to Vocations

A packet of materials concerning the New Jersey Introduction to Vocations program is now available from the N.J. Division of Vocational Education Curriculum Laboratory, Rutgers University, 4103 Kilmer Campus, New Brunswick, New Jersey 08903, for $5.00.

This program for 7th, 8th, and 9th graders – also for some 6th and some 10th graders – offers opportunities for career awareness through short term, manipulative, exploratory experience in a series of discovery units such as: Know Yourself; Industrial Arts and Science. Included in this packet of materials are the following:

Guidance and Policies
The What, How, Where, Who of I.V.
Famous Quotes about Work
Locations to Observe Occupations
Film Strips Related to Environmental Occupations
Preparation of Students for an Introduction to Vocations Trip
Guidelines for Speakers for Introduction to Vocations
Health and Environmental Career Cycle
Engineering, Science – Technology Cycle
Graphic Arts Cycle
Beauty Culture Unit
Transportation Cycle
Florist-Horticulture Unit
Exploring Home Economics Occupations
Beekeeping Cycle
Mechanical Contracting Cycle
Textile Cycle
Police Careers
U.S. Coast Guard
Business Education
Industrial Arts

2. Programs Manuals

CAREER EDUCATION RESOURCE GUIDE. General Learning Corporation, 1972. 252 pages. About one hundred brief instructional segments are outlined in the following format: concepts; performance objective; materials; lesson capsule; and observations. A "must" for every school desiring effective Career Education. A guide to classroom activities especially helpful to career development – at elementary, middle and high school levels.

K-12 GUIDE FOR INTEGRATING CAREER DEVELOPMENT INTO LOCAL CURRICULUM. by Harry N. Drier, Jr. Worthington, Ohio, Charles A. Jones Publishing Co., 1972. 272p. $6.95. This guide to local development of Career Education curriculum includes basic concepts, models, procedures, objectives, resources and suggestions for evaluation.

CAREER EDUCATION: A HANDBOOK FOR IMPLEMENTATION. Washington, D.C., G.P.O., 1972. $55. This is the single most complete document on Career Education from U.S.O.E. This handbook seeks to answer these four questions: (1) What are the concepts of Career Education? (2) Why is Career Education needed? (3) What are examples of Career Education practice? (4) What are the appropriate strategies for implementation for a school system interested in the concept?

3. Economic Education Materials

The following instructional materials are important related text materials for career orientation and are available from the Joint Council on Economic Education, 1212 Avenue of the Americas, New York, N.Y. 10036:

THE ECONOMICS OF POVERTY. Economic analysis is applied to the problem of poverty. Many agencies enlisted in anti-poverty efforts are discussed using case study material. Teacher's manual provides thirteen lesson plans outlining objectives. Developed by Pittsburgh DEEP. 1968.

Student Booklet, 62 p. (No. 99) **$2.00**
Teacher's Manual, 25 p. (No. 100) **$1.25**

MANPOWER AND ECONOMIC EDUCATION: OPPORTUNITIES IN AMERICAN ECONOMIC LIFE. A 75-lesson course field-tested in eighth, ninth and tenth grades of eight Ohio schools. Lessons describe how students enhance their employability by investing in the development of knowledge, skills, motivation and behavior patterns. Teacher's manual gives perspective to supplementary information, commentary and references. By Robert L. Darcy and Phillip E. Powell. 1968.

Student Booklet, 316 p. (No. 96) **$3.50**
Teacher Manual, 141 p. (No. 97) **$2.00**

ECONOMICS READINGS FOR STUDENTS OF EIGHTH GRADE UNITED STATES HISTORY. Economic concepts are used as tools to analyze historical events. Teacher's manual explains concepts and suggests use with students of varying abilities and backgrounds. Lesson plans include clearly stated objectives. Sketches for transparencies. Test questions. Developed by Pittsburgh DEEP. 1966.

Readings, 87 p. (No. 23) **$1.75**
Teacher's Manual, 75 p. (No. 24) **$1.75**

ECONOMICS THEMES IN UNITED STATES HISTORY, A Resource Bulletin for Teachers. Case studies show economics material incorporated in American history courses. Economic growth, the role of business and the economic role of government are examined. Prepared for the Riverside (California) Public Schools. By James D. Calderwood. 1962, 15 p. (No. 14) **$1.00**

TEST OF UNDERSTANDIN IN PERSONAL ECONOMICS. Evaluative instrument consisting of 50 multiple-choice questions normed in classes of social studies, business and home economics students at ninth and twelfth grade levels. Manual gives explanations of importance of questions, concepts on which questions focus and rationale for correct responses. Developed as part of the Joint Council's Personal Economics series. 1971.

Interpretive Manual and Discussion Guide, 28 p. (No. 132) **$1.50**
Test Booklets – Package of 25 (No. 133) **$5.00**

A personal economics series is also available from the Joint Council on Economic Education. The series was classroom-tested during 1967-1970 for use in improving consumer competence through the schools. Each publication is a self-contained teacher's guide to introducing the economics of consumer decision-making into one of three curriculums or in a self-standing course. It is suitable for junior and senior high schools. Included in the series are:

TEACHING PERSONAL ECONOMICS IN THE SOCIAL STUDIES CURRICULUM. 1971, 87 p. (No. 124) **$2.50**

TEACHING PERSONAL ECONOMICS IN THE HOME ECONOMICS CURRICULUM. 1971, 99 p. (No. 125) **$2.50**

TEACHING PERSONAL ECONOMICS IN THE BUSINESS CURRICULUM. 1971, 92 p. (No. 126) **$2.50**

TEACHING A COURSE IN PERSONAL ECONOMICS. 1971, 69 p. (No. 127) **$2.50**

4. Industrial Arts Curriculum Project Texts

The three texts listed below form part of the Industrial Arts Curriculum Project Series. The readings in these curriculum guides have been prepared with the assistance of the professionals in the field. Each text is accompanied by a *Laboratory Manual* and a *Teacher's Guide*.

SUCCEEDING IN THE WORLD OF WORK. Kimbrell, Grady and Vineyard, Ben S. Bloomington, Illinois, McKnight and McKnight, 1970. 484p. $5.97. Complete set (text, workbook, guides) $25.

THE WORLD OF MANUFACTURING. 4th edition. Lux, Donald G. and Ray, Willis E., Co-Directors. Bloomington, McKnight and McKnight. 1971. 525 pg. $7.32.

THE WORLD OF CONSTRUCTION. 4th edition. Lux, Donald G. and Ray, Willis E., Co-Directors. Bloomington, McKnight and McKnight. 1971. 525 pg. $7.32.

5. Other Textbooks for Career Orientation

YOUR JOB AND YOUR FUTURE. Olsen, James. McGraw-Hill, 1968. Includes two workbooks: one deals

with employability; the other deals with specific occupations. Evidently appropriate for both junior and senior high school.

CAREER DEVELOPMENT SERVICE. Palmer, 1970. A set of four booklets, each about 40 pages. All four – "Success and You", "Life and You", "Work and You", "The Future and You" – with accompanying curriculum guide were designed specifically as an occupational exploration curriculum for middle school or junior high school.

6. Instructional Materials for Career Education in Microfiche Form

A major listing of Career Education instructional materials in ERIC microfiche has been made available by the Center for Vocational and Technical Education at Ohio State University: *Abstracts of Instructional Materials for Career Education* by Allen B. Moore (1972).

A sample listing of curriculum units, teacher guides, handbooks and instructional materials for Career Education appropriate for this junior high age group follows. The reader should remember that all of these items can be secured without charge in microfiche form from the N.J. Occupational Resource Center; both the "VT" and "ED" numbers will be required to secure a copy.

GRADES 7-9:

Art Program Guide, K-12. VT015340 – ED067490

Career Development. VT015575 – ED067490

Careers Unlimited. . .Teacher Resource Book – English, Social Studies, Mathematics, and Science. VT015561 – ED067490

Choice or Chance. Career Planning and Development, Grades Seven, Eight and Nine. VT015393 – ED067490

A Curriculum Guide for Occupational Orientation and Exploration in Junior High School Home Economics and Industrial Arts. Appendix X to Annual Interim Report. VT014391 – ED063502

Getting It Together. Teacher's Manual. Ten Career Orientation Units Designed for Junior High School Students. VT015574 – ED067490

Guide for Occupational Information. Junior High Special Curriculum, Grades 7-8-9. VT015881 – ED067490

Home Economics Junior High School Curriculum. Concepts and Generalizations. VT015595 – ED067490

Junior High School Drama – To Improve Speech is to Help Improve the Quality of a Human Being. Tentative Outline Course of Study. VT015092 – ED067490

GRADE 7:

Career Orientation 7-8. VT015433 – ED067490

Consumer Education, Grade 7. Conceptual Outline. VT015296 – ED067490

Industrial Arts Education, Elementary School Grades 4-8. Instructional Materials for Beginning Teachers. VT015528 – ED067490

Language and Attitudes. Language Arts Resource Unit, Level 7. VT015309 – ED067490

Language Arts Works in the Television Industry. Middle School Unit for Grade 7. Cobb County Occupational and Career Development Program. VT015285 – ED067490

Lesson Plans, Grades 7 and 8. VT014501 – ED063502

Occupational Information in the Curriculum: Kindergarten through Seventh Grades. A Summary Report. VT015488 – ED067490

OVT Exploratory Program. Phase I, II, and III. Grades 6-8. Course of Study. VT015421 – ED067490

GRADE 8:

Auto Mechanics. Prevocational Feeder Program for Grades 7 and 8. VT015808 – ED067490

Career Orientation 7-8. VT015433 – ED067490

Coming of Age. Language Arts Resource Unit, Level 8. VT015311 – ED067490

English Educational Decisions Unit. An Instructional Bulletin. VT015111 – ED067490

Industrial Arts Education, Elementary School Grades 4-8. Instructional Materials for Beginning Teachers. VT015528 – ED067490

Language, Work and You: Part I. Language Arts Resource Unit, Level 8. VT015262 – ED067490

Mass Media: A Study of Radio and T.V. Language Arts Resource Unit, Level 8. VT015313 – ED067490

OVT Exploratory Program. Phase I, II, and III. Grades 6-8. Course of Study. VT015421 – ED067490

Pitt County Middle Grades Project: Construction Industries, Manufacturing Industries and Agricultural Occupations. VT015413 – ED067490

Pitt County Middle Grades Project, I-III. VT015411 – ED067490

GRADE 9:

Banking and Money. VT015141 – ED067490

Family and Personal Arts B9-A9. An Instructional Guide and Supplement. VT015119 – ED067490

Language, Work and You: Part II. Language Arts Resource Unit, Level 9. VT015263 – ED067490

The Newspaper. Language Arts Resource Unit, Level 9. VT015312 – ED067490

Suggestions for Implementing and Organizing Prevocational Education Programs for South Carolina. Teacher's Guide. A Unit in Prevocational Education. VT015627 – ED067490

9. books for students

During the grades 7-9, the student should become more aware of the many careers available, what is required for major types of careers, and what he or she likes and does well.

As in the elementary grades, several publishers provide series which include information about many individual careers. The Richard Rosen Press has 105 titles in the two series, "Careers In Depth" and "Aim High Vocational Guidance Series".The Messner Publishing Company has at least 39 titles in its "Career Books Series" and there are 61 titles listed in the Vocational Guidance Manuals Series. All the titles in the above series have not been included in this list, but only those titles appearing since 1968.

Other sources checked for possible titles published since 1968 were *The Combined Book Exhibit*, 1972; *Best Books for Children, Including Adults Books for Young People*, 1972 (Bowker); *The School Library Journal Book Review* 1968-1969 and 1969-1970 (Bowker); and *Junior High School Library Catalog* 2nd ed. 1970 (H.W. Wilson).

The titles have been arranged under the following categories: (A) individual careers, (B) career fiction, (C) books on several careers or career decisions, (D) career exploration activities, and (E) foldouts and comic books. Author, title, publisher, publication date, and cost is given for each book, as available.

All of the books on this list are, or will be, available at the Edison Center for loan. The reader is advised to examine specific books at the center before making selections for purchase.

A. INDIVIDUAL CAREERS

American Dietetic Association. *Your Future as a Dietitian*. Rosen Press, 1970. $2.97.

Arnold, Oren. *Aim For a Job in Cattle Ranching*. Rosen Press, 1972. $3.99.

Aulick, June & Cross, Wilbur. *Careers in the Age of Automation*. Hawthorn, 1969. $5.95.

Bell, Raymond M. *Your Future in Astronomy*. Rosen Press, 1970. $3.99.

Benford, Harry & Mathes, J. C. *Your Future in Naval Architecture*. Rosen Press, 1968. $3.99.

Berg, Thomas. *Aim for a Job in Welding*. Rosen Press, 1970. $3.99.

Berry, Frederic A. & Frank, S. R. *Your Future in Meteorology*. Rosen Press, $2.97.

Bibby, Dause L. *Your Future in the Electronic Computer Field*. Rosen Press, 1970. $3.99.

Bixby, William. *Seawatchers: Oceanographers in Action*. McKay, 1968. $4.25.

Boyd, Waldo T. *Your Career in Oceanology*. Messner, 1968. $3.99.

Briggs, Peter. *Men in the Sea*. Simon & Schuster, 1968. $3.98.

Calvert, Robert Jr. *Your Future in International Service*. Rosen Press, 1969. $3.99.

Chernok, Norma B. *Your Future in Medical Assisting*. Rosen Press, 1970. $3.99.

Clarke, Emerson, and Vernon Root. *Your Future in Technical and Science Writing*. Rosen Press, 1972. $3.99.

Colman, Hila. *Beauty, Brains & Glamour: A Career in Magazine Publishing*. World Pub., 1968. $4.90.

Colman, Hila. *A Career in Medical Research*. (Careers in the Making Series) World Pub., 1968. $3.75.

Colman, Hila. *Making Movies: Student Films to Features*. World Publ., 1969. $5.20.

Connor, J. Robert. *A Job With a Future in Automotive Mechanics*. Grosset, 1969. $3.59.

Daly, Donald F. *Aim for a Job in Air Conditioning & Refrigeration*. Rosen Press, 1970. $3.99.

Daly, Donald F. *Aim for a Job in the Building Trades*. Rosen Press, 1970. $3.99.

Darbey, Patricia & Ray. *Your Career in Physical Therapy*. Messner, 1969. $3.95.

DeLeeuw, Adela. *Behold This Dream*. McGraw, 1968. $4.50.

DeLong, Fred. *Aim for a Job in Drafting*. Rosen Press, $3.99.

Deutscher, J. N. *Your Future in Television*. Rosen Press, $2.97.

Dietz, Elizabeth. *You Can Work in the Communications Industry*. John Day, 1970. $2.45.

Dietz, Betty W. *You Can Work in the Health Services*. John Day, 1968. $3.96.

Dowdell, Dorothy & Joseph. *Careers in Horticultural Sciences*. Messner, 1969. $3.95.

Dietz, Betty W. *You Can Work in the Transportation Industry*. John Day, 1969. $4.29.

Dowdell, Dorothy & Joseph. *Your Career in the World of Travel*. Messner, 1971. $4.50.

Doyle, Robert V. *Your Career in Interior Design*. Messner, 1969. $3.95.

Durst, S. B. & Stern, W. H. *Your Future in Real Estate*. Rosen Press, 1970. $2.97.

Egan, Margaret. *Hospital Summer*. Doubleday, 1968. $3.50.

Ely, L. D. *Your Future in Aerospace Technology*. Rosen Press, $2.97.

Eskow, G. W. *Your Future in the Trucking Industry*. Rosen Press, $2.97.

Fanning, Odom. *Opportunities in Environmental Careers*. Vocational Guidance Manuals, 1971. $3.25.

Fashion Group, ed. *Your Future in Fashion Design*. Rosen Press, 1970. $3.99.

Feder, R. L. *Your Future in Chemical Engineering*. Rosen Press, $2.97.

Fenten, D. X. *Aviation Careers: Jobs in the Air and on the Ground*. Lippincott, 1969. $4.95.

Floyd, Wm. A. *Your Career as a Minister*. Rosen Press, 1969. $3.99.

Fraser, Angus M., Col. *Your Future in the Marine Corps*. Rosen Press, 1969. $3.99.

Frost, Jane C. *Your Future in Dental Assisting*. Rosen Press, 1970. $3.99.

Fujita, S. Neil. *Aim for a Job in Graphic Design and Art*. Rosen Press, 1968. $3.99.

Gaber, Norman H. *Your Future in Oceanography*. Rosen Press, 1970. $3.99.

Gammage, A. Z. *Your Future in Law Enforcement*. Rosen Press, 1970. $2.97.

Gay, Kathlyn. *Careers in Social Service*. Messner, 1969. $3.95.

Gelb, R. L. *Your Future in Beauty Culture*. Rosen Press, 1970. $3.99.

Goodfellow, Thomas M. *Your Future in Railroading*. Rosen Press, 1970. $3.99.

Gordon, George N. and Falk, Irving A. *Your Career in Film Making*. Messner, 1969. $3.95.

Gottschal, Alfred. *Your Future as a Rabbi*. Rosen Press. $3.99.

Gould, S. *Your Future in the Federal Government*. Rosen Press, 1970. $2.97.

Greer, M. *Your Future in Interior Design*. Rosen Press, 1970. $3.99.

Hananburg, D. H. *Your Future in Forestry*. Rosen Press, 1971. $3.99.

Harrison, C. William. *Find a Career in Auto Mechanics*. Putnam, 1970. $3.49.

Heal, Edith. *Beauty as a Career*. Messner, 1969. $3.95.

Heine, Robert. *Your Future in Traffic Management*. Rosen Press, $3.99.

Hendry, J. F. *Your Future in Translating & Interpreting*. Rosen Press, 1969. $2.97.

Hirschhorn, Hans. *Your Future as an Optician*. Rosen Press, 1970. $3.99.

Kalb, S. W. *Your Future as a Physician*. Rosen Press, 1971. $3.99.

Kasper, Sydney H. *Careers in the Building Trades*. Walck, 1969.

Kay, Eleanor. *Nurses & What They Do*. Watts, 1968. $3.95.

Keefe, John E. *Your Future as an Electronic Technician*. Rosen Press, 1970. $3.99.

Kirk, W. R. *Your Future in Hospital Administration*. Rosen Press, $2.97.

Kirk, Weir Richard. *Your Future in Hospital Work*. Rosen Press, 1970.

Konzo, Seichi & James W. Bayne. *Opportunities in Mechanical Engineering*. Vocational Guidance Manuals, 1971. $3.75.

Kraemer, J. E. *Your Future in Pharmacy*. Rosen Press, 1970. $2.97.

Larue, Gerald. *Your Future in Archaeology*. Rosen Press, 1970. $3.99.

Lee, Essie E. *Careers in the Health Field*. Messner, 1972. $4.95.

Lent, Henry B. *Your Place in America's Space Program*. Macmillan, $4.48.

Levine, S. *Your Future in Electronic Engineering*. Rosen Press. $2.97.

Linae, Shirley Motter (ed) *Airline Stewardess Handbook*. Careers Research, 1968. $3.95.

Locklear, E. *Your Future in Accounting*. Rosen Press, 1970. $2.97.

McCall, Virginia & Joseph R. *Your Career in Parks & Recreation*. Messner, 1970. $3.95.

MacCloskey, Monro. *Your Future in the Air Force*. Rosen Press. $2.97.

McDonnell, Virginia B. *Careers in Hotel Management*. Messner, 1971. $4.50.

MacGil, Gillis. *Your Future as a Model*. Rosen Press, 1971. $3.99.

McGill, John P. *Aim For a Job in Trucking*. Rosen Press, 1972. $3.99.

McLintock, Gordon. *Your Future in the Merchant Marine*. Rosen Press, 1968. $3.99.

May, Charles P. *Veterinarians & Their Patients*. Nelson, $3.50.

Nakamura, Julia and Massy Nakamura. *Your Future in Medical Illustrating: Art and Photography*. Rosen Press, 1971. $3.99.

Neal, Harry, E. *Disease Detectives: Your Career in Medical Research*. Messner, 1968. $3.95.

Neal, Harry, E. *Engineers Unlimited: Your Career in Engineering*. Messner, 1968. $3.95.

Neal, Harry E. *Your Career in Medical Research*. Messner, 1968.

Neifeld, Morris R. *Your Future in the Credit Field*. Rosen Press, $2.97.

Newman, Bernard. *Your Future in the High Fidelity Industry*. Rosen Press, 1970. $3.99.

Noyes, N. B. *Your Future as a Secretary*. Rosen Press, 1971. $3.99.

Oakes, Vanya. *Challenging Careers in the Library World.* Messner, 1970. $3.95.

O'Connell, Desmond. *Your Future in the Bakery Industry.* Rosen Press, 1970.

Paige, Barbara E. *Your Future as a Dental Hygienist.* Rosen Press, 1970. $3.99.

Paris, J. *Your Future as a Home Economist.* Rosen Press, 1970. $3.99.

Paul, Elias. *Aim for a Job in the Meat Industry.* Rosen Press, 1971. $3.99.

Paul, G. *Your Future in Medical Technology.* Rosen Press, 1970. $3.99.

Pinney, John J. *Your Future in the Nursery Industry.* Rosen Press, 1969. $3.99.

Pond, John. *Your Future in Personnel Work.* Rosen Press, 1971. $3.99.

Reinfeld, G. *Your Future in Printing.* Rosen Press, $2.97.

Riser, W. *Your Future in Veterinary Medicine.* Rosen Press, 1970. $3.99.

Rider, John R. *Your Future in Broadcasting.* Rosen Press, 1971. $3.99.

Roche Laboratories & Others. *Careers in Psychiatry.* Macmillan, 1968. $4.95.

Sarnoff, Paul. *Careers in Biological Science.* Messner, 1968. $3.95.

Sarnoff, Paul. *Wall Street Careers.* Messner, 1968. $3.95.

Schaleben, A. *Your Future in Journalism.* Rosen Press, $2.97.

Schrieber, Flora R. *Job with a Future in Law Enforcement & Related Fields.* G & D., 1970. $3.59.

Schuon, Darl & Lyons, Ronald D. *Servicewomen & What They Do.* Watts, $3.95.

Scribner, Kimball. *Your Future as a Pilot.* Rosen Press, 1968. $3.99.

Searight, Mary. *Your Career in Nursing.* Messner. 1970. $3.95.

Shangold, Jules and Frank Greenberg. *Oppotunities in a Podiatry Career.* Vocational Guidance Manuals, 1971. $3.25.

Shockley, Robert G. *Your Future in Elementary School Teaching.* Rosen Press, 1970. $2.97.

Shuff, F. *Your Future in Occupational Therapy.* Rosen Press, $2.97.

Singer, J. B. *Your Future in Advertising.* Rosen Press. $2.97.

Sommer, Armand & Kedzie, Daniel. *Your Future in Insurance.* Rosen Press, 1970. $2.97.

Sonnabend, Rober P. *Your Future in Hotel Management.* Rosen Press, 1970. $2.97.

Spirko, C. *Your Future in Radiologic Technology.* Rosen Press, $3.99.

Splaver, Sarah. *Paraprofessions: Careers of the Future and the Present.* Messner, 1972. $4.95.

Stimson, Russell L. *Opportunities in Opticianry.* Vocational Guidance Manuals, 1971. $3.25.

Sullivan, John W. *Aim for a Job in the Iron & Steel Industry.* Rosen Press. $3.99.

Taylor, D. *Your Future in the Automotive Industry.* Rosen Press. $2.97.

Taylor, Dowson & Bradley, James. *Aim for a Job in Automotive Service.* Rosen Press, 1969. $3.99.

Thompson, W. E. *Your Future in Nuclear Energy Fields.* Rosen Press. 1970. $2.97.

Tomerlin, John. *The Fledgling.* Dutton, 1968. $3.95.

Vershell, Allen. *Your Future in Dentistry.* Rosen Press, 1970. $3.99.

Walmsley, H. *Your Future in the Army.* Rosen Press, $2.97.

Walton, Bryce. *Harpoon Gunnder, T. Y.* Crowell, 1968. $3.75.

Westbrook, James. *Your Future in Restaurants and Food Services.* Rosen Press, 1970. $3.99.

Whitehouse, Arch. *The Laughing Falcon.* Putnam, 1969. $3.75.

Wiley, Kaila. *Assignment: Latin America; A Story of the Peace Corps.* McKay, 1968. $4.50.

Williamson, Harold F. *Opportunities in Economics Careers.* Vocational Guidance Manuals, 1971. $3.25.

Winter, Elmer. *Your Future as a Temporary Office Worker.* Rosen Press, 1968. $3.99.

Winter, Elmer L. *Your Future in Jobs Abroad.* Rosen Press, 1969. $3.99.

Winter, Elmer L. *Your Future in Your Own Business.* Rosen Press, 1970. $3.99.

B. CAREER FICTION

Furman, Abraham L. ed. *Every Girl's Career Stories.* Lantern, n.d. $3.25.

Gay, Kathlyn. *Beth Donnis: Speech Therapist.* Messner, 1968. $3.50.

McCall, Virginia. *Navy Nurse.* Messner, 1968. $3.34.

MacLeod, Ruth. *Buenos Dias, Teacher.* Messner, 1970. $3.50.

Robinson, Kathleen. *Designed by Suzanne.* Lathrop, 1968. $3.50.

Shaftner, Dorothy. *Kim Fashions a Career.* Putnam, 1968. $3.75.

Wells, Helen. *Doctor Betty.* Messner, 1969. $3.50.

Woody, Regina J. *Young Medics.* Messner, 1968. $3.50.

C. BOOKS ON SEVERAL CAREERS AND CAREER DECISIONS

Brister, C.W. *It's Tough Growing Up*. Broadman, 1971. $2.95.

Brunetti, Cledo and Higgerson, Clifford. *Your Future in a Changing World*. Rosen Press, 1970. $3.99.

Duckar, Walter. *Guide to Professional Careers*. Messner, 1970. $5.95.

Gelinas, Robert P. and Paul J. Gelinas. *How Teenagers Can Get Good Jobs*. Rosen Press, 1971. $3.99.

Grenier, Mildred. *How Kids Can Earn Cash*. 1970. $5.95.

Job Guide for Young Workers (1969-70 edition). U.S. Department of Labor, Manpower Administration. Washington: U.S. Government Printing Office, 1969. Paperbound, 200 pp., $1.50.

Keefe, John. *The Teenager and the Interview*. Rosen Press, 1971. $3.99.

Lee, Miriam. *Jobs in Your Future*. Scholastic Book Service, 1969.

Linneman, Robert E. *Turn Yourself On: Goal Planning for Success*. Rosen Press, 1970. $3.99.

National Observor. *Careers . . . for the Seventies; closeups of 20 ways American's Earn a Living from the pages of the National Observer*. 1969. $1.85.

Schimel, John L. *How to Be an Adolescent and Survive*. Rosen Press, 1968. $5.97.

Splaver, Sarah. *Your Career if You're Not Going to College*. Messner, 1971. $4.50.

Wedel, Leonard E. *So You Want a Job*. Broadman, 1971. $2.50.

Wellman, Henry Q. *The Teenager and Home Study*. Rosen Press, 1971. $3.99.

D. CAREER EXPLORATION ACTIVITIES

The Boy Scouts of America has an outstanding set of pamphlets helpful for both young women and young men in their career exploration. Their authoritativeness and usefulness earns them a place here in this listing.

This series of pamphlets – known as the "Merit Badge Library" – now numbers 124. Frequent revision is a feature of the series. The following fifty-two pamphlets have been revised since 1968:

American Business, #3325
Art, #3320
Astronomy, #3303
Aviation, #3293
Basketry, #3313
Bookbinding, #3378
Canoeing, #3308
Citizenship in the Community, #3253
Citizenship in the Nation, #3252
Citizenship in the World, #3254
Communications, #3258
Computers, #3335
Cycling, #3277
Dog Care, #3289
Electronics, #3279
Emergency Preparedness, #3366
Engineering, #3376
Environmental Science, #3363
Firemanship, #3317
First Aid, #3276
Fish and Wildlife Management, #3307
Forestry, #3302
Gardening, #3240
General Science, #3332
Hog Production, #3361
Horsemanship, #3298
Landscape Architecture, #3355
Leatherwork, #3310
Mammals, #3271
Metals Engineering, #3269
Metalwork, #3312
Music and Bugling, #3336
Personal Management, #3270
Personal Fitness, #3286
Pets, #3281
Photography, #3334
Pottery, #3314
Public Health, #3251
Public Speaking, #3373
Rabbit Raising, #3375
Railroading, #3292
Reptile Study, #3342
Safety, #3347
Salesmanship, #3351
Scholarship, #3384
Sculpture, #3322
Soil and Water Conservation, #3291
Sports, #3255
Textiles, #3344
Theater, #3328
Water Skiing, #3357
Woodwork, #3316

Available in library bound editions for $1.95 each from Brodart, Williamsport, Pa. 17701

E. FOLDOUTS AND COMIC BOOKS

A foldout series and two comic book series concerning careers are now available for use or distribution in school media resource centers, classrooms, cafeterias, and even hallways. At least examine each set before deciding about their usefulness.

PEOPLE AND CHOICES CAREER FOLIOS. Seven sets, each with ten career biographies with fold-out formats; 7½" x 8½" folded; color. Harcourt Brace Jovanovich, 1970. $7.95 per set; $7.95 per teacher's guide and introductory sample of ten biographies from different sets. The careers of real persons are presented vividly. The materials were designed to appeal to minority group members in urban settings. The sets now available are as follows:

(1) Health Careers; (2) Teaching, Social Work, Government; (3) Business, Finance; (4) Science, Technology; (5) Performing Arts; (6) Communication, Transportation; and (7) Creative Arts.

Three other sets in preparation are as follows:
(8) Personal Service; (9) Building Maintenance, Repair Crafts; and (10) Sports, Recreation.

POPEYE AND . . . (comics). King Features (235 East 45 Street, New York, N.Y. 10017) now has the following "Popeye" – starring comic books related to careers: (1) *Health Careers;* (2) *Environmental Careers;* (3) *Manufacturing Careers;* (4) *Transportation Careers;* and (5) *Communications and Media Careers*. Each is 32 pages, in color, and costs as follows per title: 1 to 25 copies for 25¢ each; 25 to 99 copies for 20¢ each; and, 100 to 499 copies for 18¢ each.

Additional titles will be available from King Features by February 15, 1973 as follows: (6) *Construction Careers;* (7) *Marketing and Distribution Careers;* (8) *Agri-Business and Natural Resources Careers;* (9) *Marine Science Careers;* (10) *Public Service Careers;* (11) *Personal Service Careers;* (12) *Hospitality and Recreation Careers;* (13) *Fine Arts and Humanities Careers;* (14) *Consumer and Home-Making Related Careers;* and (15) *Business and Office Careers*.

EDUCATION AND JOBS (A Series of Pamphlets to Guide Young People to Jobs That Match Different Levels of Education and Training). U.S. Department of Labor, Bureau of Labor Statistics. Washington: U.S. Government Printing Office, 1968.

Single page publications:

"Jobs For Which a High School Education is Preferred, But Not Essential"

"Jobs For Which a High School Education is Generally Required"

"Jobs For Which Apprenticeship Training is Available"

"Jobs For Which Junior College, Technical Institute, or Other Specialized Training is Usually Required"

"Jobs For Which a College Education is Usually Required"

Each 1-page, 10¢; check local office of State Employment Service.

JOB SCENE BOOKLETS. IPD Publishing Co., Inc., 461 Park Ave., South, New York, N.Y. 10016. 18 in the Career Booklets Series, each 8 p. 7" x 5", color, 8¢ each; 4 in the Attitudes Series, each 8 p., 7" x 10", color, 10¢ each; display units available. The Career Booklets series provides "comic book" treatments of the following occupations: apparel; auto mechanic; carpentry; clerical work; dairy products; drafting; electronic worker; food field; furniture making, health work; hotel and restaurant; machine shop work; motor transport; office careers; fabricated plastics; public utilities; retail sales work; and welding. The Attitude Series includes the following titles: *How to Get a Job; Power Is Green; Where Now, Vet?* and, *You're Hired*.

publishers and suppliers

Most addresses for sources listed will be found in *Books in Print*. Addresses not listed in *Books in Print* will be found below.

Advisory for Open Education, 90 Sherman St., Cambridge, Mass. 02140

AIMS Instructional Media Services, Inc., P.O. Box 1010, Hollywood, California 90028

American Personnel and Guidance Association, (Film Department), 1607 New Hampshire Avenue, N.W., Washington, D.C. 20009

Audio-Visual Associates, 805 Smith Street, Brooklyn, N.Y. 11510

Australian News and Information Bureau, 636 5th Avenue, New York, N.Y. 10020

Baily-Film Assoc., 11559 Santa Monica Blvd., Los Angeles, Cal. 90025

Bergenstock, John, 62 Holland Drive, Clark, N.J. 07066

B'nai B'rith Career and Counseling Service, 1640 Rhode Island Ave., N.W., Washington, D.C. 20036

The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210

Churchill Films, 662 N. Robertson Blvd., Los Angeles, California 90069

Creative Filmstrips, Gamco Industries Inc., P.O. Box 1911, Big Spring, Texas 79720

Didactic Systems, Inc., Box 500, Westbury, New York 11590

Doubleday Multimedia, c/o Mr. Richard Bynum, 56 Estaugh Avenue, Haddonfield, N.J. 08033

Dreier Ed Systems, 320 Raritan Avenue, Highland Park, N.J. 08904

Educational Games Company, Box 363, Peekskill, N.Y. 10566

Educational Products Inform. and Exchange Inst., 463 West St., N.Y., N.Y. 10014

Federal Aviation Administration, (FAA) Film Library AC-44.5, P.O. Box 25082, Oklahoma City, Oklahoma 73125

Fischer of America, Inc., 151 Forest St., Montclair, N.J. 07042

Government Printing Office, Washington, D.C. 20402

Halewyn Films, Ltd., 7 King St., W., Toronto 105, Ontario, Canada

Henk Newenhouse, Inc., 1225 Willow Road, Northfield, Ill. 60093

Industrial Relations Center, University of Chicago, 1225 East 60th Street, Chicago, Illinois 60637

Information Resources, Box 417, Lexington, Mass. 02173

Institute for Development of Educational Activities (I.D.E.A.) Mail Orders, P.O. Box 628, Far Hills Branch, Dayton, Ohio 45419

Instructional Simulations, Inc., 2147 University Avenue, St. Paul, Minnesota 55114

Interact, P.O. Box 262, Lakeside, Calf. 92040

Joint Council on Economic Education, 1212 Avenue of the Americas, New York, N.Y. 10036

Journal Films, Inc., 909 W. Diversey Parkway, Chicago, Ill. 60614

National Audio-Visual Center, Washington, D.C. 20409

National Film Board of Canada, 680 Fifth Avenue, Suite 819, New York, N.Y. 10019

National Information Center for Educational Media, University Park, Los Angeles, California 90007

National Society of Medical Research, 1330 Massachusetts Ave., North West, Washington, D.C. 20005

National-Television News, Inc., 6016 Fallbrook Ave., W. Hollywood, California 92803

National Vocational Guidance Assoc., 1607 New Hampshire Ave., N.W., Washington, D.C. 20009

N.J. Occupational Resource Center at Edison, Building 871, R.M.C., Plainfield Avenue, Edison, N.J. 08817

Simile II, P.O. Box 1023, LaJolla, California 92037

S.V.E. – Society for Visual Education, 1345 Diversey Parkway, Chicago, Ill. 60614

Trent Box Manufacturing Co., 1384 Yardville-Hamilton Sq. Rd., Trenton, N.J. 08691

Universal Pub. and Dist. Corp., 235 East 45th St., New York, N.Y. 10017

Urban Systems, Inc., 1033 Mass. Ave., Cambridge, Mass. 02138

Visual Aids Service of the University of Illinois, Division of University Extension, 1325 South Oak Street, Champaign, Ill. 61820

Visual Education Consultants, Box 52, 2066 Helena Street, Madison, Wisconsin 53701

Vocational Education Productions, California State Polytechnic College, San Luis Obispo, California 93401

Woodcraft Supply Corp., 313 Montvale Ave., Woburn, Mass. 01801

Workshop for Learning Things, Inc., 5 Bridge Street, Watertown, Mass. 02172

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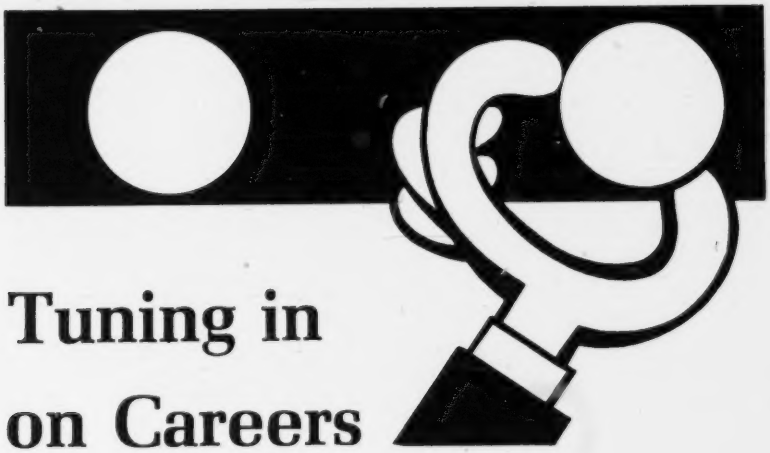

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